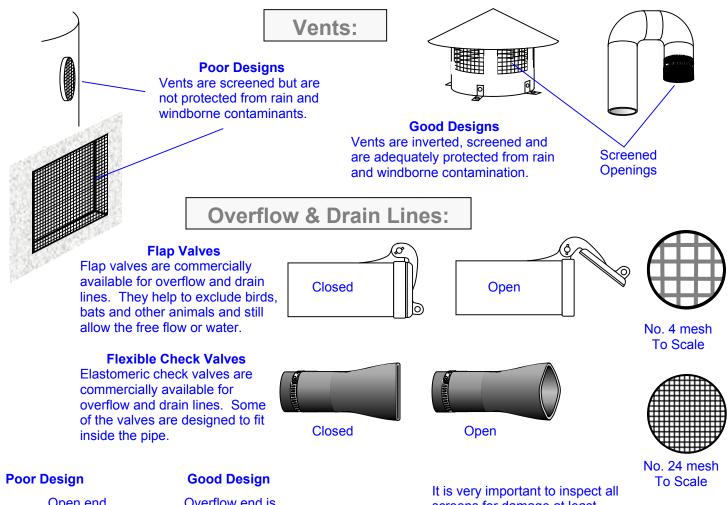
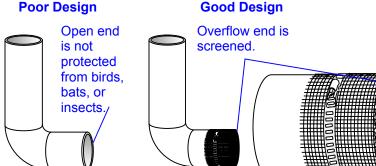
Drinking Water Tech Tips: Sanitary Protection of Reservoirs – Vents





It is very important to inspect all screens for damage at least annually

Bats can squeeze into very small spaces and birds may damage screens to gain entrance into a storage tank.



Stored Water Sanitary Protection: Storage tanks must have dedicated vents, overflow and discharge pipes, and drain lines to operate. These are potential entry points that must be protected from birds, bats, other animals, insects, rain, and wind-borne contamination. There must be adequate sanitary protection to prevent the water supply from being contaminated. The potential for vandalism, physical damage, and icing should also be considered when choosing a design. Vents must be inverted and screened. No. 4 mesh non-corrodible screen may be used for elevated tanks. Ground level or underground storage facilities should have the vent opening 24 to 36 inches above the roof or ground and protected with a No. 24 inch mesh non-corrodible screen. Overflow and drain lines must have a non-corrodible No. 4 mesh screen or mechanical device secured over the discharge end. The overflow line should extend down to an elevation between 12 and 24 inches above the ground level and discharge into a splash screen or rocked area. No overflow or drain line should be connected directly to a sewer or storm drain without a properly designed air-gap, and the discharge ends must be located where the pipe end can be routinely inspected.



DOH PUB #331-250 December 2003 For more information, contact your Office of Drinking Water Regional Office. They are open Monday through Friday, 8:00 a.m. to 5:00 p.m. If you have an after-hours emergency, call 1-877-481-4901.

Eastern Regional Office, 509-456-3115

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